



Form PTO-1449 (modified)

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## INFORMATION DISCLOSURE STATEMENT

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Atty. Docket No.  
DEKA:282US/MBWSerial No.  
09/788,334Applicant  
Thomas B. CarlsonFiling Date:  
February 16, 2001Group:  
1638U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
AM	A1	3,903,645	09-09-75	Bradner	47	58.1	03-29-74
	A2	4,368,592	01-18-83	Welch	47	58.1	07-27-81
	A3	4,517,763	06-21-85	Beverdort <i>et al.</i>	47	58.1	05-11-83
	A4	4,581,847	04-15-86	Hibberd <i>et al.</i>	47	58.1	04-15-86
	A5	4,594,810	06-17-86	Troyer	47	58.1	02-21-85
	A6	4,607,453	08-26-86	Troyer	47	58.1	02-21-85
	A7	4,626,610	12-02-86	Sun	800	320.1	01-11-85
	A8	4,627,192	12-09-86	Fick	47	58.1	11-16-84
	A9	4,629,819	12-16-86	Lindsey	800	320.1	04-26-85
	A10	4,642,411	02-10-87	Hibberd <i>et al.</i>	800	320.1	02-21-85
	A11	4,654,466	03-31-87	Lindsey	800	320.1	04-29-85
	A12	4,658,084	04-14-87	Beverdort <i>et al.</i>	800	320.1	11-14-85
	A13	4,658,085	04-14-87	Beverdort <i>et al.</i>	800	260	04-14-87
	A14	4,677,246	06-30-87	Armond <i>et al.</i>	800	320.1	04-26-85
	A15	4,686,319	08-11-87	Shifriss	800	310	09-25-85
	A16	4,731,499	04-15-88	Puskaric <i>et al.</i>	800	320.1	01-29-87
	A17	4,737,596	04-12-88	Seifert <i>et al.</i>	800	320.1	01-29-87
	A18	4,751,347	06-14-88	Erickson	800	320.1	11-07-86
	A19	4,767,888	08-30-88	Ayotte <i>et al.</i>	800	320.1	02-24-87
	A20	5,276,263	01-04-94	Foley	800	200 320.1	12-06-91
	A21	5,922,931	07-13-99	Conway	800	312	04-23-97
	A22	5,922,932	07-13-99	Conway	800	312	04-01-98
AM	A23	5,925,813	07-20-99	Floyd	800	312	04-01-98

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Am	A24	6,140,556	10-31-00	Conway	800	312	01-15-99

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
Am	B1	0 270 356	02-12-87	Europe	C12N	15/00	

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Am	C1	✓ Armstrong & Green, "Establishment and Maintenance of Friable Embryogenic Maize Callus and the Involvement of L-Proline," <i>Planta</i> , 164:207-214, 1985.
	C2	✓ Beckmann and Soller, "Restriction Fragment Length Polymorphisms in Plant Genetic Improvement," <i>Oxfors Surveys of Plant Molecular &amp; Cell Biology</i> , 3:196-250, 1986.
	C3	✓ Chandler <i>et al.</i> , "Two Regulatory Genes of the Maize Anthocyanin Pathway Are Homologous: Isolation of B Utilizing R Genomic Sequences," <i>The Plant Cell</i> , 1:1175-1183, 1989.
	C4	✓ Conger <i>et al.</i> , "Somatic Embryogenesis from Cultured Leaf Segments of Zea Mays," <i>Plant Cell Reports</i> , 6:345-347, 1987.
	C5	✓ Culotta, "How many Genes Had to Change to Produce Corn," <i>Science</i> , 252:1792-1793, 1991.
	C6	✓ Duncan <i>et al.</i> , "The Production of Callus Capable of Plant Regeneration from Immature Embryos of Numerous Zea Mays Genotypes," <i>Planta</i> , 165:322-332, 1985.
	C7	✓ Duveck, "Genetic Contributions to Yield Gains of U.S. Hybrid Maize, 1930 to 1980," <i>Genetic Contributions to Yield Gains of Five Major Crop Plants: Proceedings of a Symposium sponsored by Div. C-1, Crop Science Society of America, December 2, 1981 in Atlanta, Georgia; W.R. Fehr, Crop Science Society of America and American Society of Agronomy, Madison, Wisconsin, pp. 15-47.</i>
Am	C8	✓ Edallo <i>et al.</i> , "Chromosomal Variation and Frequency of Spontaneous Mutation Associated with <i>in vitro</i> Culture and Plant Regeneration in Maize," <i>Maydica</i> , 26:39-56, 1981.

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Exam. Init.	Ref. Des.	Citation
<i>M</i>	C9 ✓	Fehr (ed.), <i>Principles of Cultivar Development, Vol. 1: Theory and Technique</i> , pp. 360-376, 1987.
	C10 ✓	Gaillard <i>et al.</i> , "Optimization of maize microspore isolation and culture condition for reliable plant regeneration," <i>Plant Cell Reports</i> , 10(2):55, 1991.
	C11 ✓	Gerdes and Tracy, "Diversity of historically important sweet corn inbreds as estimated by rflp's, morphology, isozymes, and pedigree," <i>Crop Science</i> , 34(1):26-33, 1994.
	C12 ✓	Gordon-Kamm <i>et al.</i> , "Transformation of maize cells and regeneration of fertile transgenic plants," <i>The Plant Cell</i> , 2 603-618, 1990.
	C13 ✓	Green & Phillips, "Plant regeneration from tissue cultures of maize," <i>Crop Science</i> , 15:417-421, 1975.
	C14 ✓	Green & Rhodes, "Plant regeneration in tissue cultures of maize," <i>Maize for Biological Research</i> , ed. W F. Sheridan, A Special Publication of the Plant Molecular Biology Association, pp. 367-372, 1982.
	C15 ✓	Hallauer <i>et al.</i> , "Corn Breeding," <i>Corn and Corn Improvement</i> , eds., Sprague <i>et al.</i> , Madison, Wisconsin, Ch. 8, pp. 463-564, 1988. <i>3<sup>rd</sup> ed.</i>
	C16 ✓	Hauptmann <i>et al.</i> , "Evaluation of selectable markers for obtaining stable transformants in the gramineae," <i>Plant Physiol.</i> , 86:602-606, 1988.
	C17 ✓	Jensen, "Chromosome doubling techniques in haploids," <i>Haploids and Higher Plants--Advances and Potentials, Proceedings of the First International Symposium</i> , University of Guelph, June 10-14, 1974.
	C18 ✓	Larson & Hanway, "Corn Production," <i>Corn and Corn Improvement</i> , ed. G.F. Sprague, No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 625-669, 1977.
	C19 ✓	Ludwig <i>et al.</i> , "A regulatory gene as a novel visible marker for maize transformation," <i>Science</i> , 247:449-450, 1990.
<i>M</i>	C20 ✓	MBS, Inc., <i>Genetics Handbook</i> , 17th ed., MBS, Inc., Ames, Iowa, pp. 3 & 19, 1990.
	C21 ✓	Meghji <i>et al.</i> , "Inbreeding depression, inbred and hybrid grain yields, and other traits of maize genotypes representing three eras," <i>Crop Science</i> , 24:545-549, 1984.

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AM ✓	C22	Nienhuis <i>et al.</i> , "Restriction fragment length polymorphism analysis of loci associated with insect resistance in tomato," <i>Crop Science</i> , 27:797-803, 1987.
✓	C23	Pace <i>et al.</i> , "Anther culture of maize and the visualization of embryogenic microspores by fluorescent microscopy," <i>Theoretical and Applied Genetics</i> , 73:863-869, 1987.
✓	C24	Phillips <i>et al.</i> , "Cell/tissue culture and <i>in vitro</i> manipulation," <i>Corn and Corn Improvement</i> , 3 <sup>rd</sup> ed., eds., Sprague <i>et al.</i> , Ch. 5, pp. 345-387, 1988.
✓	C25	Poehlman & Sleper (eds), <i>Breeding Field Crops</i> , 4th Ed., pp. 172-175, 1995.
✓	C26	Poehlman, <i>Breeding Field Crops</i> , 3rd ed., AVI Publishing Company, Westport, Connecticut, pp. 469-481, 1987.
✓	C27	Rao <i>et al.</i> , "Somatic embryogenesis in glume callus cultures," <i>Maize Genetics Cooperation Newsletter</i> , Vol. 60, 1986.
✓	C28	Rhodes <i>et al.</i> , Genetically transformed maize plants from protoplasts," <i>Science</i> , 240:204-207, 1988.
✓	C29	Rieger <i>et al.</i> , <i>Glossary of Genetics and Cytogenetics, Classical and Molecular</i> , Springer-Verlag, Berlin, p. 116, 1976.
✓	C30	Smith and Smith, "Restriction fragment length polymorphisms can differentiate among U.S. maize hybrids," <i>Crop Sci.</i> , 31:893-899, 1991.
✓	C31	Songstad <i>et al.</i> , "Effect of 1-aminocyclopropane-1-carboxylic acid, silver nitrate, and norbornadiene on plant regeneration from maize callus cultures," <i>Plant Cell Reports</i> , 7:262-265, 1988.
✓	C32	Sprague & Eberhart, "Corn Breeding," <i>Corn and Corn Improvements</i> , ed. G.F. Sprague, No. 18 in Agronomy Series, American Society of Agronomy, Inc., Madison, Wisconsin, pp. 305-323, 1977.
✓	C33	Stuber <i>et al.</i> , "Techniques and scoring procedures for starch gel electrophoresis of enzymes of maize <i>C. Zea mays</i> , L.," <i>Tech. Bull.</i> , N. Carolina Agric. Res. Serv., Vol. 286, 1988.
✓	C34	Troyer, "A retrospective view of corn genetic resources," <i>Journal of Heredity</i> , 81:17-24, 1990.
AM ✓	C35	Wan <i>et al.</i> , "Efficient production of doubled haploid plants through colchicine treatment of anther-derived maize callus," <i>Theoretical and Applied Genetics</i> , 77:889-892, 1989.

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Exam. Init.	Ref. Des.	Citation
AM	C36	✓ Withers & King, "Proline: a novel cryoprotectant for the freeze preservation of cultured cells of <i>zea mays</i> L.," <i>Plant Physiol.</i> , 64:675-578, 1979.
AM	C37	✓ Wright, "Commercial hybrid seed," <i>Hybridization of Crop Plants</i> , Fehr <i>et al.</i> , eds. Am. Soc. of agron.-Crop Sci. Soc. of Am., Madison, Wisconsin, Ch. 8, pp. 161-176, 1980.
AM	C38	✓ Wych, "Production of hybrid seed corn," <i>Corn and Corn Improvement</i> , eds., Sprague <i>et al.</i> , editors, Madison, Wisconsin, Ch. 9, pp. 565-607, 1988. <i>3rd Ed.</i>

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